

ANNUAL REVIEW OF

ADDICTIONS
RESEARCH AND
TREATMENT

VOLUME 3

Editors

James W. Langenbucher, PhD

Barbara S. McCrady, PhD

William Frankenstein, PhD

Center of Alcohol Studies

Rutgers University

Peter E. Nathan, PhD

University of Iowa

Office of Academic Affairs



PERGAMON

AIMS AND SCOPE

The *Annual Review of Addictions Research and Treatment* is a series of edited volumes designed to both summarize and put into historical and scientific perspective the developing field of alcohol and other drug studies. Presenting in their original form some of the most important recent contributions to the field's expanding literature, the *Annual Review* will also serve as a focus of informed debate by commentators and reviewers, each a leading authority. In turn, the editors will help guide the debate by comparing and contrasting the positions of a range of invited contributors, in order to point the way, to the extent possible, for future developments in the field.

The *Annual Review* is designed to serve an integrative function. To this end, it aims for a broad-based readership, consisting of researchers, clinicians, administrators, policymakers, legal professionals, and others interested in this vital emerging field. The editors anticipate that the *Annual Review* will keep these readers current with their own areas of special interest, as well as with developments in those areas that can inform their work.

Broad domains which effectively encompass the field of addictions research and intervention will be authoritatively surveyed, commented on, and updated in each volume of the *Annual Review*. These domains include pathophysiology, behavioral pathology, etiology, emergent treatment concepts and techniques, program evaluation and treatment outcome, prevention, epidemiology and population studies, policy research and initiatives, the lay treatment community, and others. Each section will contain an extensive review of the current literature prepared by a knowledgeable reviewer. The review will be accompanied by several especially valuable reprinted manuscripts published during the past year or two. The section will conclude with one or two brief commentaries, also written by knowledgeable authors, which are designed to offer the reader complementary or contrasting views. By these means the editors hope to produce a unique annual archive of wide scope, critical depth, taut scholarship, and broad readability.

Copyright © 1994 Elsevier Science Ltd

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher, if and when the article is accepted for publication. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise without permission in writing from the copyright holder.

Photocopying information for users in the USA. The Item-Fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying, beyond that permitted by Section 107 or 108 or the United States Copyright Law, is paid. The appropriate remittance of \$24.00 per copy per article is paid directly to the Copyright Clearance Center Inc., 222 Rosewood Drive, Danvers, MA 01923.

Permission for other use. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for copying. Please contact the Subsidiary Rights Manager, Publishing Services Dept. at either Elsevier Science Ltd or Elsevier Science Inc.

The Item-Fee Code for this publication is: 0955-663X/93 \$24.00 + .00

Whilst every effort is made by the publishers and editorial board to see that no inaccurate or misleading data, opinion, or statement appears in this journal, they wish to make it clear that the data and opinions appearing in the articles and advertisements herein are the sole responsibility of the contributor or advertiser concerned. Accordingly, the publishers, the editorial board, and editors, and their respective employees, officers, and agents, accept no responsibility or liability whatsoever for the consequences of any such inaccurate or misleading data, opinion, or statement.

Drug and dosage selection. The authors have made every effort to ensure the accuracy of the information herein, particularly with regard to drug selection and dose. However, appropriate information sources should be consulted, especially for new or unfamiliar drugs or procedures. It is the responsibility of every practitioner to evaluate the appropriateness of a particular opinion in the context of actual clinical situations and with due consideration to new developments.

Published as Volume 3, 1993 of *Annual Review of Addictions Research and Treatment*, and also available to non-subscribers.

Printed in the USA.

CONTENTS

I. Emergent Treatment Concepts

Original Review	
Emergent Treatment Concepts	
<i>James L. Sorensen and Dominick DePhilippis</i>	3
Reprinted Articles	
The Long-Term Course of Treated Alcoholism: II. Predictors and Correlates of 10-Year Functioning and Mortality	
<i>John W. Finney and Rudolf H. Moos</i>	19
Effects of Commitment to Abstinence, Positive Moods, Stress, and Coping on Relapse to Cocaine Use	
<i>Sharon M. Hall, Barbara E. Havassy, and David A. Wasserman</i>	35
Effectiveness of Three Types of Spouse-Involved Behavioral Alcoholism Treatment	
<i>Barbara S. McCrady, Robert Stout, Nora Noel, David Abrams, and Hilary Fisher Nelson</i>	47
Naltrexone in the Treatment of Alcohol Dependence	
<i>Joseph R. Volpicelli, Arthur I. Alterman, Motoi Hayashida, and Charles P. O'Brien</i>	57
Commentary	
<i>Leslie R. Goehl</i>	65

II. Epidemiology

Original Review	
Epidemiology	
<i>Bridget F. Grant</i>	71
Reprinted Articles	
Predicting Substance Use in Late Adolescence: Results From the Ontario Child Health Study Follow-Up	
<i>Michael H. Boyle, David R. Offord, Yvonne A. Racine, Peter Szatmari, Jan E. Fleming, and Paul S. Links</i>	87
The Collaborative Alcohol-Related Longitudinal Project: Preliminary Results From a Meta-Analysis of Drinking Behavior in Multiple Longitudinal Studies	
<i>Kaye Middleton Fillmore, Elizabeth Hartka, Bryan M. Johnstone, E. Victor Leino, Michelle Motoyoshi, and Mark T. Temple</i>	95
Alcoholism and Occupations: A Review and Analysis of 104 Occupations	
<i>Wallace Mandell, William W. Eaton, James C. Anthony, and Roberta Garrison</i>	103
Commentary	
<i>Kimberly Christie Burke</i>	121

III. Etiology

Original Review	
Etiology	
<i>Shirley Y. Hill</i>	127
Reprinted Articles	
A Population-Based Twin Study of Alcoholism in Women	
<i>Kenneth S. Kendler, Andrew C. Heath, Michael C. Neale, Ronald C. Kessler, and Lindon J. Eaves</i>	149
Chronic Tolerance and Sensitization to Alcohol in Sons of Alcoholics	
<i>David B. Newlin and James B. Thomson</i>	159
Cognitive Motivation and Drug Use: A 9-Year Longitudinal Study	
<i>Alan W. Stacy, Michael D. Newcomb, and Peter M. Bentler</i>	169
Commentary	
<i>Michael A. Sayette</i>	189
Commentary	
<i>Elizabeth E. Epstein</i>	193

IV. Self-Help and Self-Directed Change

Original Review	
Self-Help and Self-Directed Change	
<i>Emmett Velten</i>	199
Reprinted Articles	
Social and Cultural Preconditions of Alcoholics Anonymous (AA) and Factors Associated With the Strength of AA	
<i>Klaus Mäkelä</i>	221
Self-Help Quit Smoking Interventions: Effects of Self-Help Materials, Social Support Instructions, and Telephone Counseling	
<i>C. Tracy Orleans, Victor J. Schoenbach, Edward H. Wagner, Dana Quade, Mary Anne Salmon, David C. Pearson, Judith Fiedler, Carol Q. Porter, and Berton H. Kaplan</i>	231
In Search of How People Change: Applications to Addictive Behaviors	
<i>James O. Prochaska, Carlo C. DiClemente, and John C. Norcross</i>	245
A Randomized Trial of Treatment Options for Alcohol-Abusing Workers	
<i>Diana Chapman Walsh, Ralph W. Hingson, Daniel M. Merrigan, Suzette Morelock Levenson, L. Adrienne Cupples, Timothy Heeren, Gerald A. Coffman, Charles A. Becker, Thomas A. Barker, Susan K. Hamilton, Thomas G. McGuire, and Cecil A. Kelly</i>	261
Commentary	
<i>Nick Heather</i>	273

V. Policy—Alcohol

Original Review

Policy—Alcohol

Traci L. Toomey, Rhonda J. Jones-Webb, and Alexander C. Wagenaar

279

Reprinted Articles

First Effects of Warning Labels on Alcoholic Beverage Containers

Lee Kaskutas and Thomas K. Greenfield

293

The Relationship of Outlet Densities to Alcohol Consumption: A Time Series Cross-Sectional Analysis

Paul J. Gruenewald, William R. Ponicki, and Harold D. Holder

307

Commentary

Steven Schinke

323

Commentary

Elias J. Duryea

325

VI. Policy—Alcohol and Other Drugs

Original Review

Policy—Alcohol and Other Drugs

Patricia G. Erickson and C. A. Ottaway

331

Reprinted Articles

Drug Use Contexts and HIV Consequences: The Effect of Drug Policy on Patterns of Everyday Drug Use in Rotterdam and the Bronx

*Jean-Paul C. Grund, L. Synn Stern, Charles D. Kaplan,
Nico F. P. Adriaans, and Ernest Drucker*

343

The 'Anatomy' of Research Funding of Mental Illness and Addictive Disorders

Harold A. Pincus and Theodora Fine

357

The Reduction of Health Care Costs Associated With Alcoholism Treatment: A 14-Year Longitudinal Study

Harold D. Holder and James O. Blose

367

Drug Use as a Risk Factor for Premarital Teen Pregnancy and Abortion in a National Sample of Young White Women

Barbara Mensch and Denise B. Kandel

381

Commentary

Chris Martin

399

Subject Index

I

